

## CLAIMS

1. A method for isolating nucleic acids from a sample containing nucleic acids comprising:
  - dissolving the sample in a buffer containing surfactant and salt;
  - heating the obtained solution;
  - subjecting the heated solution to gel filtration; and
  - collecting a fraction containing nucleic acids.
2. The method according to claim 1, wherein said surfactant is Triton X-100 (Registered Trademark).
3. The method according to claim 1 or 2, wherein said salt is NaCl.
4. The method according to any one of claims 1 to 3, wherein said sample is a sample containing eucaryotic cells.
5. The method according to any one of claims 1 to 4, wherein said sample is blood.
6. A kit for nucleic acid isolation from a sample containing nucleic acids, comprising a buffer and a gel filtration column, wherein said buffer contains at least one kind of surfactants and at least one kind of salts.
7. The kit according to claim 6, wherein said buffer is a buffer containing Triton X-100 (Registered Trademark) and NaCl.
8. An apparatus for nucleic acid isolation equipped with:
  - a sample-introducing part;
  - a buffer-supplying part that supplies a buffer containing surfactant and salt;
  - a heating part; and
  - a separation part filled with gel filtration resins.